Leuze electronic
the sensor people

ECOLAB®

DECLARATION OF COMPATIBILITY
between **ECOLAB** hygiene products
and **Leuze electronic** safety switches RFID technology

For the completely safe cleaning of your plant

Leuze electronic
the sensor people

Is one of the leading European manufacturers for sensor solutions in the industrial automation, offering a wide range of products such as switching and measuring sensors, safety sensors, safety switches and safety modules.

ECOLAB®

Supplier of hygiene solutions for Food and Beverage industries

Products

L 300 series safety switches

Equipments

The declaration proves the high resistance of these Leuze electronic products to Ecolab products commonly and worldwide used in Food and Beverage Industries.
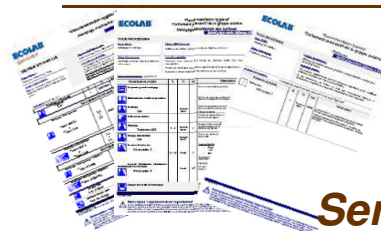
Services

Leuze electronic GmbH + Co. KG
In der Braike 1 - 73277 Owen, Germany

Ecolab s.r.l.
Via Trento 26 – 20871 Vimercate (MB)
www.it.ecolab.eu

Chemicals compatible table with L 300 series safety switches and safety sensors with RFID technology

See below for the test procedure

PRODUCT	%	SENSOR TYPE	DEFECT QUANTITY	DEFECT QUALITY	COLOR VARIATION
Topaz MD5	6	- L 300 series	0	0	0
Polix Chlorant	2 ppm as free Cl^2	- L 300 series	0	0	0

DEFECT QUANTITY: 0 means - No detectable defect
DEFECT QUALITY: 0 means - Up to 10x magnification no detectable defect
COLOR VARIATION: 0 means – Unchanged, no discoloration

Test procedure

- Test performed by Ecolab Technical Application Service
- Ecolab reference method 40.1 – ISO 4068-1 for the evaluation
- Full immersion of parts in detergent/disinfectant solutions
- Water hardness of 200ppm $CaCO_3$
- 28 days total time at 20°C (equivalent to the contact time that occurs in 6 years of daily cleaning)
- Concentration tested is the one normally recommended
- Test solution renewed every 3-4 days for oxidizing products (Polix Chlorant)

Final statement

- *The Ecolab Technical Application Service Italy certifies that the*
  Leuze electronic safety switches RFID technology type

  - L 300 series

  are perfectly compatible with Ecolab detergents and disinfectants as indicated above.